

CLAIMS

1. A suction system for a refrigeration compressor of the type which comprises a cylinder; a valve plate (3) which is provided with at least one suction orifice 5 (3a), selectively closed by a suction valve, and which closes a cylinder end; a cylinder head (1,10) mounted against a face of the valve plate (3) opposite to that closing the cylinder and which defines a discharge chamber (2, 11) occupying part of said cylinder head 10 (1, 10) and partially contouring the suction orifice (3a); and a suction muffler (4) comprising a hollow body having an outlet tube (5) projecting therefrom and presenting a free end (7) seated on the valve plate (3) in coaxial alignment with a respective 15 suction orifice (3a), characterized in that the cylinder head (10) is provided, externally to the discharge chamber (11), with a reinforcing wall portion (12) which is dimensioned to define an increase in the structural rigidity of the cylinder 20 head (10).
2. The system as set forth in claim 1, characterized in that the reinforcing wall portion (12) has at least part of its extension spaced from the outlet tube (5).
3. The system as set forth in claim 2, characterized 25 in that the reinforcing wall portion (12) maintains the outlet tube (5) seated on the valve plate (3).
4. The system as set forth in claim 3, characterized in that the reinforcing wall portion (12) is trespassed by the outlet tube (5).
- 30 5. The system as set forth in claim 3, characterized in that the reinforcing wall portion (12) is seated against the valve plate (3).
6. The system as set forth in claim 5, characterized in that the reinforcing wall portion (12) occupies the 35 area of the cylinder head (10) external to the

discharge chamber (11).

7. The system as set forth in claim 6, characterized in that the reinforcing wall portion (12) is medianly opened so as to surround and retain the free end (7) 5 of the outlet tube (5).

8. The system as set forth in claim 1, characterized in that the free end (7) of the outlet tube (5) is fitted into the interior of at least part of the extension of a respective suction orifice (3a) in the 10 valve plate (3).

9. The system as set forth in claim 1, characterized in that the free end (7) of the outlet tube (5) is provided with two tubular projections (9) which are parallel to each other, each being aligned with a 15 respective suction orifice (3a) of the valve plate (3).

10. The system as set forth in claim 9, characterized in that the cylinder head (10) comprises a pair of openings (13) which are parallel to each other, each 20 receiving a respective tubular projection (9) of the outlet tube (5).

11. The system as set forth in claim 1, characterized in that it comprises a fixation element (14) constantly forcing the cylinder head (10) against the 25 valve plate (3).